



AN EVOLUTION OF ENGINEERING EXCELLENCE

Kawasaki has incorporated more than 40 years of experience as an robot industry leader into the development of the most technically advanced controller available. The E Controller combines high performance, unprecedented reliability, a host of integrated features and simple operation all in a compact design.

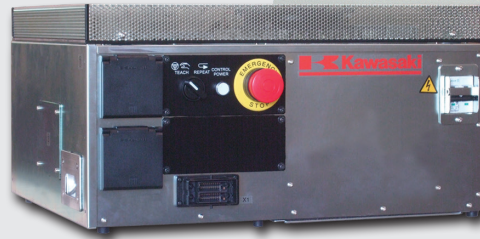
Teach Pendant

Large, color LCD touch screen display

The arrangement of keys has been optimized through extensive studies of operator hand movements



Equipped with safety switch



ADVANCED TECHNOLOGIES

The high performance CPU provides extremely accurate trajectory control, high-speed program execution as well as extremely fast loading and saving of files.

USER FRIENDLY OPERATION

The easy to use teach pendant now incorporates motor power and cycle start at your finger tips. Multiple information screens can be displayed simultaneously. The intuitive teaching interface is simple to use.

ABUNDANCE OF FEATURES

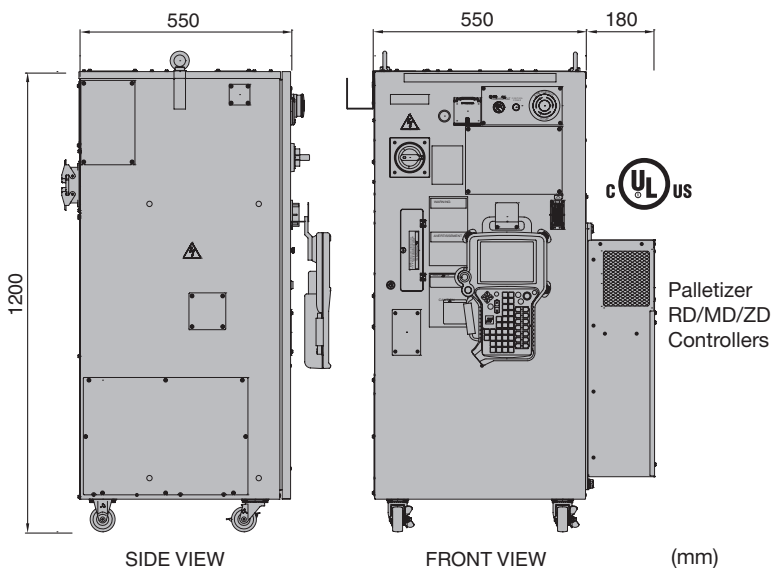
A large variety of unique features support a wide range of applications and industry automation. The extremely powerful Kawasaki AS Programming Language allows for sophisticated motion and sequence control.

EXPANDABLE

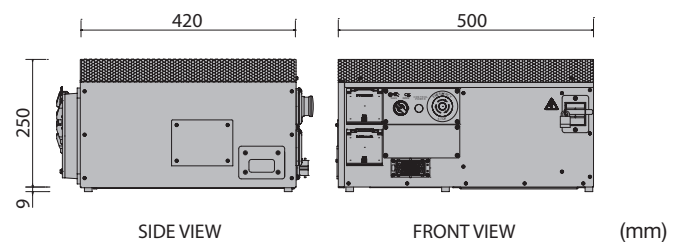
As many as 10 external axes can be added for a total of 16 axis control. Numerous communication field buses are available for controlling peripheral devices. The Kawasaki K-Logic sequencer software can be combined with user-customized interface panels on the teach pendant.

EASY MAINTENANCE

Modular components with limited cables allow for easy diagnostics and maintenance. On board self diagnostics minimizes troubleshooting and reduces MTTR. Remote Diagnostics via the web server enables service support from anywhere in the world.



E30/E32/E33/E34

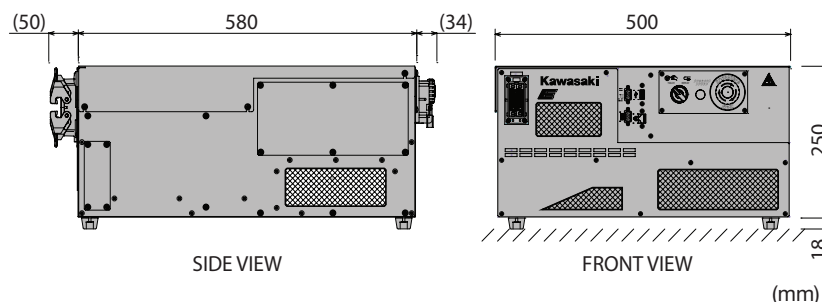


E76/E77

E CONTROLLER SPECIFICATIONS

STANDARD					OPTION
Model		E30 / E32 / E33 / E34	E76 / E77	E97	
Number of Controlled Axes		6 axes			Maximum 16 axes E3X and 8 axes E7X
Drive System		Full digital servo system			
Coordinate Systems		Joint, base, tool			External fixed tool point
Types of Motion Control		Joint/linear, circular interpolated motion			
Programming		Point to point teaching (Block Step) or AS Language based programming			
Memory Capacity		8 MB (approx. 80,000 steps)			
Dimensions		W550 x D550 x H1200 (mm) W730 x D550 x H1200 (mm) palletizers	W500 x D420 x H250 (mm)	W500 x D580 x H250 (mm)	
Structure		Self-standing main enclosure		Open construction	
Mass		145 / 180 / 195 / 180 kg	30 kg	40 kg	
Body Color		Kawasaki Standard			
General Purpose Signals	External Operation	Motor power On, Hold, control power On/Off, circuit Off, etc.			
	Input	32 discrete channels			64/96 (E7X/97), 64/96/128 (E3X) channels
	Output	32 discrete channels			64/96 (E7X/97), 64/96/128 (E3X) channels
Operation Panel		E-Stop switch, teach/repeat switch, control power light			Customizable application interface panel Traditional operation panel
Cable Length	Teach Pendant	10 m	5 m or 10 m	10 m	15 / 20 / 25 / 30 m (E7X: 10-30 m)
	Robot-Controller	7 m	5 m or 7 m	7 m	10 / 15 / 20 / 25 / 30 m
Environment Conditions		Ambient Temperature: 0 ~ 45° C Relative Humidity: 35 ~ 85 % (no dew, nor frost allowed)			
Power Requirements		AC440-480V ±10%, 60Hz, 3ø	AC220-240V ±10%, 50/60Hz, 1ø		AC200-220V, AC380-415V, AC440-480V, AC515V, AC575V ±10%, 50/60Hz, 3ø (E3X)
		Class-D earth connection (earth connection dedicated to robots), leakage current Maximum 100mA			
Teach Pendant		TFTcolor LCD display with touch-panel, E-Stop switch, teach lock switch, enabling switch			
Auxiliary Storage Unit		USB memory			USB keyboard
Interface		USB, Ethernet (100BASE-TX), Serial RS232C			CC-Link, ControlNet, DeviceNet. Ethernet/IP, PROFIBUS-DP, PROFINET

E97



Simple friendly

Assembly • Cutting • Dispensing • Grinding • Handling • Inspection • Packaging • Painting • Palletizing • Polishing • Tending • Welding

Kawasaki Robotics (USA), Inc.

United States

28140 Lakeview Drive
Wixom, Michigan 48393
Phone (248) 446-4100
Email sales@kri-us.com

Canada

Phone (905) 304-7784

Mexico

Phone (52) 33-3110-1895

www.kawasakirobotics.com

E Controller - REV06/14
© Kawasaki Robotics (USA), Inc. All rights reserved.
Technical specifications subject to change without notice.